

# Converting Colors

$Yxy(69.8642, 0.2833, 0.2872)$

Have a look what the booklet for  
Yxy(69.8642, 0.2833, 0.2872)  
contains.

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# Color

**Yxy(69.8870, 0.2832, 0.2873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1D8FF
RGB	209, 216, 255
RGB Percent	82%, 85%, 100%
CMY	0.1806, 0.1529, 0.0000
CMYK	0.18, 0.15, 0.00, 0.00
HSL	231°, 100%, 91%
HSV	231°, 18%, 100%
XYZ	68.8897, 69.8870, 104.4778
YIQ	218.3530, -16.6910, 10.6450

# Conversions

## Conversions Part 2

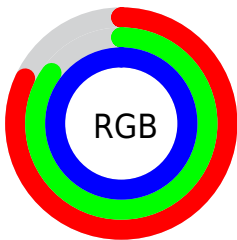
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 215, 255
Decimal	13752575
CIE Lab	86.94, 5.42, -19.78
CIE LCh	87, 20.510, 285.324
Yxy	69.8870, 0.2832, 0.2873
Android (android.graphics.Color)	4291942655 (0xFFD1D8FF)
YUV	218.3530, 18.0670, -8.2026
Hunter-Lab	83.5984, 0.7964, -15.5792

# Details

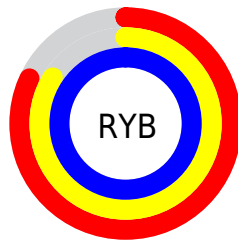
The Yxy color **69.8870, 0.2832, 0.2873** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.9486, 0.3412, 0.3675**, and the grayscale version is **70.2442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.4370, 0.2763, 0.2776** is the 20% darker color. If you saturate the color by 10%, you get **56.1204, 0.2647, 0.2603**, and if you desaturate by 10%, it is **85.7051, 0.3002, 0.3116**.

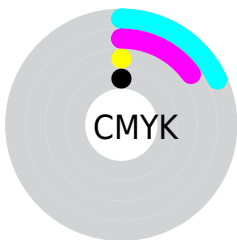
# Distribution



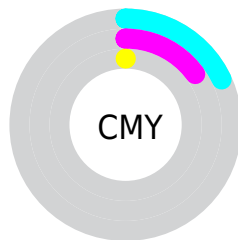
- Red (82%)
- Green (85%)
- Blue (100%)



- Red (82%)
- Yellow (84%)
- Blue (100%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8870, 0.2832, 0.2873 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 69.8870, 0.2832, 0.2873 by changing the saturation by 10% instead.



■ 69.8870, 0.2832,  
0.2873

■ 69.8870, 0.2832,  
0.2873

460.1531, 0.2969,  
0.3064

■ 51.4344, 0.2801,  
0.2830

119.0476, 0.2880,  
0.2939

■ 36.5545, 0.2762,  
0.2777

150.5244, 0.2898,  
0.2964

■ 24.8627, 0.2713,  
0.2711

187.1114, 0.2914,  
0.2987

■ 15.9748, 0.2649,  
0.2626

229.1930, 0.2928,  
0.3006

■ 9.5063, 0.2562,  
0.2512

277.1536, 0.2940,  
0.3023

■ 5.0729, 0.2438,  
0.2352

331.3775, 0.2951,

■ 2.2901, 0.2247,

0.3038

0.2113

392.2492, 0.2961,  
0.3052

0.7685, 0.1928,  
0.1717

0.0000, 0.0000,  
0.0000

69.8870, 0.2832,  
0.2873

69.8870, 0.2832,  
0.2873

56.1204, 0.2647,  
0.2603

85.7051, 0.3002,  
0.3116

44.3151, 0.2450,  
0.2307

100.0000, 0.3127,  
0.3290

34.3827, 0.2248,  
0.1995

26.2256, 0.2051,  
0.1678

■ 19.7372, 0.1870,  
0.1375

■ 14.7992, 0.1719,  
0.1104

■ 11.2770, 0.1607,  
0.0885

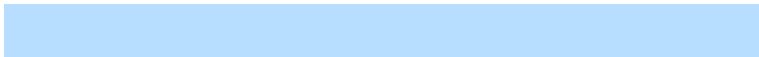
■ 9.0062, 0.1540,  
0.0730

■ 8.6828, 0.1530,  
0.0707

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.8870, 0.2688, 0.2929



69.8870, 0.2832, 0.2873



69.8870, 0.3059, 0.2921

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.8870, 0.2832, 0.2873



69.8870, 0.3622, 0.3463



69.8870, 0.2934, 0.3540

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



69.8870, 0.2832, 0.2873



92.9486, 0.3412, 0.3675

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.8870, 0.3179, 0.3698



69.8870, 0.2832, 0.2873



69.8870, 0.3583, 0.3640

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8870, 0.2832, 0.2873



69.8870, 0.3523, 0.3252



69.8870, 0.3418, 0.3731



69.8870, 0.2744, 0.3311



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8870, 0.2832, 0.2873



69.8870, 0.3230, 0.3003



69.8870, 0.3418, 0.3731



69.8870, 0.3012, 0.3604

# Sweetspot

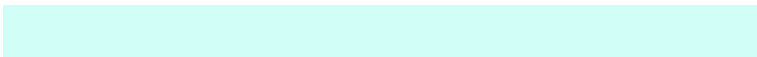
The Sweet Spot groups the original color and five complimentary colors.



69.8889, 0.2832, 0.2873



90.9687, 0.3051, 0.3184



91.8025, 0.2895, 0.3369



19.2086, 0.3040, 0.3169



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8889, 0.2832, 0.2873



64.2262, 0.2761, 0.2770



68.6878, 0.2932, 0.2810



17.8281, 0.2979, 0.3082



4.6703, 0.1535, 0.0726



0.5800, 0.1582, 0.0896



# Inverse Universe

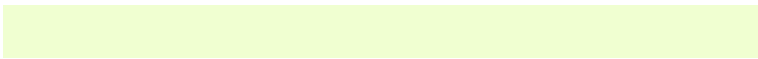
The Inverse Universe completely reimagines the original color for something new.



71.7921, 0.3427, 0.3219



66.5913, 0.3509, 0.3203



94.5843, 0.3299, 0.3756



18.0326, 0.3270, 0.3254



11.1994, 0.6190, 0.3184



1.1031, 0.5919, 0.3034



# Previews

## White Background



This preview shows how the Yxy color 69.8870, 0.2832, 0.2873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

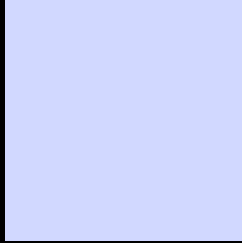
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8870, 0.2832, 0.2873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

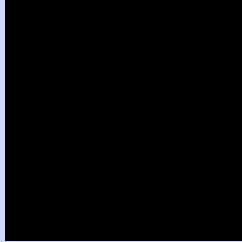
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8870, 0.2832, 0.2873**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8870, 0.2832, 0.2873.

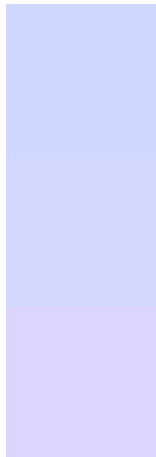


This preview shows how white text looks on a background with the Yxy color 69.8870, 0.2832, 0.2873.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

69.8870, 0.2832, 0.2873

### Protanopia

70.0334, 0.2839, 0.2874

### Deuteranopia

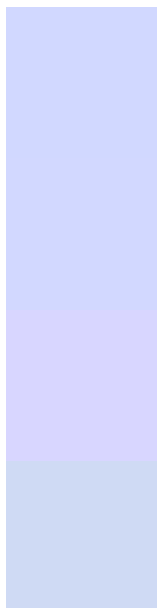
70.0241, 0.2904, 0.2849



## Tritanopia

69.8993, 0.2922, 0.3092

# Trichromacy



## Original Color

69.8870, 0.2832, 0.2873

## Protanomaly

70.0334, 0.2839, 0.2874

## Deuteranomaly

69.9121, 0.2877, 0.2857

## Tritanomaly

69.9399, 0.2886, 0.3007

# Monochromacy



## Original Color

69.8870, 0.2832, 0.2873

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.8423, 0.3021, 0.3137

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8870, 0.2832, 0.2873 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(209, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 216, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(209, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 216, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8870, 0.2832, 0.2873 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 216, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(209, 216, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(209, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 216,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8870, 0.2832, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 216, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(209,  
216, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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